



CUSTOMER NUMBER 27792

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Franck Le Ouay Attorney Docket No. MICR0458
Serial No.: 10/718,427 Group Art Unit: 2613
Filed: November 20, 2003 Examiner:
Title: DYNAMIC 2D IMPOSTERS OF 3D GRAPHICAL OBJECTS

INFORMATION DISCLOSURE STATEMENT

Bellevue, Washington 98004
February 24, 2004

TO THE COMMISSIONER FOR PATENTS:

Applicant is aware of the information listed in the attached form that may be material to the prosecution of the above-identified patent application.

- ☒ 1. Copies of the listed non-U.S. patent publications and other information are enclosed for the Examiner's use.
- ☐ 2. Copies of the listed patents, publications, and other information were previously cited by or submitted to the U.S. Patent and Trademark Office in prior application Serial No. _____, filed _____, and relied upon for an earlier filing date under 35 U.S.C. § 120.
- ☐ 3. A concise explanation of the relevance of document I.D. No. _____ (which is not in the English language), as presently understood by the individual designated under 37 C.F.R. § 1.56(c) most knowledgeable about its content, is provided _____.
- ☒ 4. Pursuant to 37 C.F.R. § 1.97(b), this information disclosure statement is being filed within three months of the filing date of the national application, within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application, or before the mailing date of a first Office Action on the merits.
- ☐ 5. Pursuant to 37 C.F.R. § 1.97(c), this information disclosure statement is being filed after the period set forth in 37 C.F.R. § 1.97(b) but before the mailing date of either a final action under 37 C.F.R. § 1.113, or a notice of allowance under 37 C.F.R. § 1.311, and is accompanied by:
 - a. _____ a certification as specified in 37 C.F.R. § 1.97(e); or
 - b. _____ the fee set forth in 37 C.F.R. § 1.17(p). Check No. _____ in the amount of \$ _____ is enclosed.

1 _____ 6. Pursuant to 37 C.F.R. § 1.97(d), this information disclosure statement is being filed
2 after the mailing date of either:

a. _____ a final action under 37 C.F.R. § 1.113; or

b. _____ a notice of allowance under 37 C.F.R. § 1.311,

but before payment of the issue fee. The statement is accompanied by a certification as specified in 37 C.F.R. § 1.97(e), a statement requesting consideration of the information disclosure statement, and the petition fee set forth in 37 C.F.R. § 1.17(p). Check No. _____ in the amount of \$ _____ is enclosed.

X 7. Please charge any additional fees or credit any overpayment to Deposit Account No. 01-1940. A copy of this sheet is enclosed.

Respectfully submitted,

Thomas Marquis

Thomas R. Marquis
Registration No. 46,900

I hereby certify that this correspondence is being deposited with the U.S. Postal Service in a sealed envelope as first class mail with postage thereon fully prepaid addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on February 24, 2004.

Date: February 24, 2004

Sharon J. Anderson



CUSTOMER NUMBER 27792

INFORMATION DISCLOSURE STATEMENT LISTING SHEET

**Information Cited By Applicant(s) That May Be Material To
The Prosecution Of The Subject Application**

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U.S. PATENT DOCUMENTS

NONE CITED

FOREIGN PATENT DOCUMENTS

NONE CITED

OTHER INFORMATION

*Examiner Initial	Document No.	Document Information
_____	O1	Aubel, A., R. Boulic, D. Thalmann. 1998. "Animated Impostors for Real-time Display of Numerous Virtual Humans." <i>Proc. Virtual Worlds</i> (July): 1-10.
_____	O2	_____. 1999. "Lowering the Cost of Virtual Human Rendering With Structured Animated Impostors." <i>Proc. WSCG</i> (February): 8pp.
_____	O3	_____. 2000. "Real-time Display of Virtual Humans: Levels of Detail and Impostors." <i>IEEE Transactions on Circuits and Systems for Video Technology</i> . pp 1-25.
_____	O4	Chang, Chun-Fa, Gary Bishop, Anselmo Lastra. 1999. "LDI Tree: A Hierarchical Representation for Image-Based Rendering." In the Proceedings of <i>SIGGRAPH</i> : 291-298.
_____	O5	Hoff III, Kenneth E. et al. "Environment-Mapped Cell Texture Representations to Alleviate "Popping" and Facilitate Paging." nd. Available at http://www.cs.unc.edu/~hoff/research/walkthru/popping_pres/slide0.html .
_____	O6	Maciel, Paulo W.C. and Peter Shirley. 1995. "Visual Navigation of Large Environments Using Textured Clusters." Symposium on Interactive 3D Graphics (April): 95-102, 211.

OTHER INFORMATION

<u>*Examiner Initial</u>	<u>Document No.</u>	<u>Document Information</u>
_____	O7	Oliveira, Manual M. and Gary Bishop. 1999. "Image-Based Objects." In the proceedings of ACM Symposium on Interactive 3D Graphics. (April): 9pp.
_____	O8	Rotenberg, Steve. 2003. CSE 191A: Seminar on Video Game Programming. "Lecture 2: Scene Management." 26pp of slide reproductions.
_____	O9	Schaufler, Gernot. 1995. "Dynamically Generated Impostors." <i>MVD Workshop</i> (November): 129-136.
_____	O10	Schaufler, Gernot and Wolfgang Sturzlinger. 1996. "A Three Dimensional Image Cache for Virtual Reality." In the proceedings of EUROGRAPHICS. (August):11pp.
_____	O11	Shade, Jonathan et al. 1996. "Hierarchical Image Caching for Accelerated Walkthroughs of Complex Environments." In the proceedings of SIGGRAPH: 8pp.
_____	O12	Sillion, Francois, Georges Drettakis, Benoit Bodelet. 1997. "Efficient Imposter Manipulation for Real-Time Visualization of Urban Scenery." In the proceedings of EUROGRAPHICS, (September):16:3, 12pp.
_____	O13	Tecchia, Franco, Celine Loscos, Yiorgos Chrysanthou. 2002. "Image-Based Crowd Rendering." <i>Computer Graphics</i> . 7pp.

Examiner's Signature

Date

*Examiner: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

TRM/RMA:ssa
2/24/04